

Sergey Fedorov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

8

papers

199

citations

5

h-index

8

g-index

8

ext. papers

291

ext. citations

10.9

avg, IF

3

L-index

#	Paper	IF	Citations
8	Strained crystalline nanomechanical resonators with quality factors above 10 billion. <i>Nature Physics</i> , 2022 , 18, 436-441	16.2	3
7	Hierarchical tensile structures with ultralow mechanical dissipation. <i>Nature Communications</i> , 2022 , 13,	17.4	3
6	Fractal-like Mechanical Resonators with a Soft-Clamped Fundamental Mode. <i>Physical Review Letters</i> , 2020 , 124, 025502	7.4	12
5	Thermal intermodulation noise in cavity-based measurements. <i>Optica</i> , 2020 , 7, 1609	8.6	4
4	Generalized dissipation dilution in strained mechanical resonators. <i>Physical Review B</i> , 2019 , 99,	3.3	20
3	Elastic strain engineering for ultralow mechanical dissipation. <i>Science</i> , 2018 , 360, 764-768	33.3	142
2	Improved measurement of the hyperfine structure of the laser cooling level ($4f^{12}({}^3\text{H}_6)5d_{5/2}6s^2$ ($J=9/2$)) in (${}^{169}\text{Tm}$). <i>Applied Physics B: Lasers and Optics</i> , 2015 , 121, 275-282	1.9	5
1	Two-stage laser cooling and optical trapping of thulium atoms. <i>Laser Physics</i> , 2014 , 24, 074018	1.2	10